LIST OF CONTENTS

VOLUME 223

Page

ALADOS, C. L. and ESCÓS, J., Phenotypic and genetic characteristics affecting lifetime reproductive success in female Cuvier's, dama and dorcas gazelles (*Gazella cuvieri, G. dama* and *G. dorcas*) 307

BEAL, A. M., Influence of flow rate and aldosterone administration on mandibular salivary composition in the koala (*Phascolarctos cinereus*) 265

BOWDEN, KAREN, The evolution of sociality in the spitting spider, *Scytodes fusca* (Araneae: Scytodidae) — evidence from observations of intraspecific interactions 161

BRACKENBURY, J., Wing kinematics during natural leaping in the mantids *Mantis religiosa* and *Iris oratoria* 341

BRIEF REVIEWS, *see* GUILLETTE, L. J., Jr 521

MESSENGER, J. B. 687

BRIGHAM, R. M. and FENTON, M. B., Convergence in foraging strategies by two morphologically and phylogenetically distinct nocturnal aerial insectivores 475

BROWN, C. J. and BRUTON, A. G., Plumage colour and feather structure of the bearded vulture (*Gypaetus barbatus*) 627

BURTON, D. and EVERARD, B. A., A comparison of the effect of captivity on the epidermis of prespawning and postspawned winter flounder, *Pseudopleuronectes americanus* .. 1

CAVALLINI, P. and LOVARI, S., Environmental factors influencing the use of habitat in the red fox, *Vulpes vulpes* 323

CRAWSHAW, P. G., Jr and QUIGLEY, H. B., Jaguar spacing, activity and habitat use in a seasonally flooded environment in Brazil 357

CURLEWIS, J. D., Seasonal changes in the reproductive organs and plasma and pituitary hormone content of the male Bennett's wallaby (*Macropus rufogriseus rufogriseus*) 223

DEGEN, A. A. and KAM, M., Average daily metabolic rate of gerbils of two species: *Gerbillus pyramidum* and *Gerbillus allenbyi* 143

DE VRIES, E. J. and SLUYS, R., Phylogenetic relationships of the genus *Dugesia* (Platyhelminthes, Tricladida, Paludicola) 103

ELMES, G. W., THOMAS, J. A. and WARDLAW, J.C., Larvae of *Maculinea rebeli*, a large-blue butterfly, and their *Myrmica* host ants: wild adoption and behaviour in ant-nests 447

FIELDEN, L. J., Home range and movements of the Namib Desert golden mole, *Eremitalpa granti namibensis* (Chrysochloridae) 675

FORSYTHE, T. G., Feeding and locomotory functions in relation to body form in five species of ground beetle (Coleoptera: Carabidae) 233

FRANGIONI, G. and BORGIOLI, G., Effect of spleen congestion and decongestion on newt blood 15

FRAZER SISSOM, D. E., RICE, D. A. and PETERS, G., How cats purr 67

GARDINI, G. and BENELLI, R., The external morphology of the pseudoscorpion *Roncus andreinii* 27

GEISER, F. and BROOME, L. S., Hibernation in the mountain pygmy possum *Burramys parvus* (Marsupialia) 593

GILLIES, A. C., ELLISON, G. T. H. and SKINNER, J. D., The effect of seasonal food restriction on activity, metabolism and torpor in the South African hedgehog (*Atelerix frontalis*) 117
GODFREY, L., SUTHERLAND, M., BOY, D. and GOMBERG, N., Scaling of limb joint surface areas in anthropoid primates and other mammals 603
GUILLETTE, L. J., Jr, The evolution of viviparity in amniote vertebrates: new insights, new questions 521
HAMER, K. C., FURNESS, R. W. and CALDOW, R. W. G., The effects of changes in food availability on the breeding ecology of great skuas *Catharacta skua* in Shetland .. 175
HANCOX, A. P. and ALLEN, J. A., A simulation of evasive mimicry in the wild 9
HAPPOLD, D. C. D. and HAPPOLD, M., An ecological study of small rodents in the thicket-clump savanna of Lengwe National Park, Malawi 527
HARCOURT, C., Diet and behaviour of a nocturnal lemur, *Avahi laniger*, in the wild .. 667
HELLER, J. and DEMPSTER, Y., Detection of two coexisting species of *Oxystele* (Gastropoda: Trochidae) by morphological and electrophoretic analyses 395
IRIBARNE, O. O., Life history and distribution of the small south-western Atlantic octopus, *Octopus tehuelchus* 549
JACKSON, R. R. and VAN OLPHEN, A., Prey-capture techniques and prey preferences of *Corythalia canosa* and *Pystira orbiculata*, ant-eating jumping spiders (Araneae, Salticidae) 577
JANVIER, P., PERCY, THE LATE LORD RICHARD and POTTER, I. C., The arrangement of the heart chambers and associated blood vessels in the Devonian osteostracan *Norselaspis glacialis*. A reinterpretation based on recent studies of the circulatory system in lampreys 567
KOVACS, K. M., LAVIGNE, D. M. and INNES, S., Mass transfer efficiency between harp seal (*Phoca groenlandica*) mothers and their pups during lactation 213
LITTLEWOOD, H., Chilopod coxal organs: morphological considerations with reference to function 379
LITTLEWOOD, H., The water relations of *Lithobius forficatus* and the role of the coxal organs (Myriapoda: Chilopoda) 653
MADHAVI, R. and RUKMINI, C., Population biology of the metacercariae of *Centrocestus formosanus* (Trematoda: Heterophyidae) on the gills of *Aplocheilus panchax* .. 509
MEATHREL, C. E., Variation in eggs and the period of rapid yolk deposition of the silver gull *Larus novaehollandiae* during a protracted laying season 501
MESSENGER, J. B., Transmitters, toxins and phylogeny 687
MORRIS, M. R., Female choice of large males in the treefrog *Hyla ebraccata* 371
MORTON, B., Do the Bivalvia demonstrate environment-specific sexual strategies? A Hong Kong model 131
NEAL, B. R. and ALIBHAI, S. K., Reproductive response of *Tatera leucogaster* (Rodentia) to supplemental food and 6-methoxybenzoxazolinone in Zimbabwe 469
NIXON, M., A note on the eggs of *Benthoctopus piscatorum* (Cephalopoda: Octopoda) .. 499
OGUYA, B. R. O. and ELTRINGHAM, S. K., Behaviour of nilgai (*Boselaphus tragocamelus*) antelope in captivity 91
PERCY, THE LATE LORD RICHARD and POTTER, I. C., Aspects of the development and functional morphology of the pericardia, heart and associated blood vessels of lampreys 49
PIERCE, G. J., THOMPSON, P. M., MILLER, A., DIACK, J. S. W., MILLER, D. and BOYLE, P. R.,

Seasonal variation in the diet of the common seals (*Phoca vitulina*) in the Moray Firth area of Scotland 641
POTTER, I. C., MANNING, R. J. G. and LONERAGAN, N. R., Size, movements, distribution and gonadal stage of the western king prawn (*Penaeus latisulcatus*) in a temperate estuary and local marine waters 419
RABINOWITZ, A. R., Behaviour and movements of sympatric civet species in Huai Kha Khaeng Wildlife Sanctuary, Thailand 281
REILLY, J. J. and FEDAK, M.A., Rates of water turnover and energy expenditure of free-living male common seals (*Phoca vitulina*) 461
SHIEL, C. B., MCANEY, C. M. and FAIRLEY, J. S., Analysis of the diet of Natterer's bat *Myotis nattereri* and the common long-eared bat *Plecotus auritus* in the West of Ireland 299
THOULESS, C. R. and AL BASSRI, K., Taxonomic status of the Farasan Island gazelle .. 151
VERRELL, P. and DONOVAN, A., Male-male aggression in the plethodontid salamander *Desmognathus ochrophaeus* 203
WANG, X. T., DE RUITER, M. R., ALEXANDER, R. MCN and KER, R. F., The effect of temperature on the tensile stiffness of mammalian tail tendons 491
WILLIAMS, T. D. and CROXALL, J. P., Annual variation in breeding biology of macaroni penguins, *Eudyptes chrysolophus*, at Bird Island, South Georgia 189
WOODALL, P. F., Morphometry, diet and habitat in the kingfishers (Aves: Alcedinidae) .. 79